

larcore® EDGING POSSIBILITIES

► INFORMATIVE SUMMARY

► EDGING POSSIBILITIES OF THE **larcore®** HONEYCOMB CORE COMPOSITE PANEL

Alucoil® offers three edging possibilities for its composite panel with Honeycomb core:

- a) Simple edging
- b) Double edging WITHOUT slope
- c) Double edging WITH 10° slope

When making optimization of the panles, it must be taken into account extra material needed to make the edging (single or double)

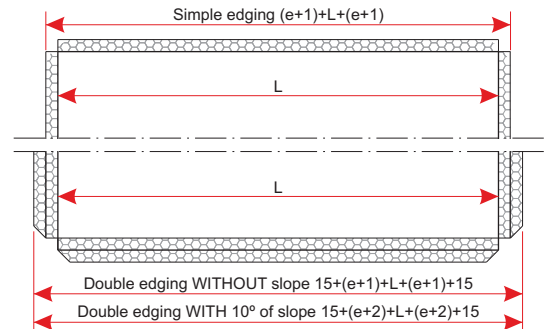
Example: **larcore® A2** 10mm thickness:

Installed panel: 3000x1500mm

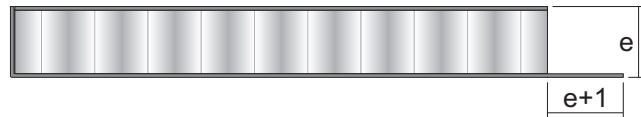
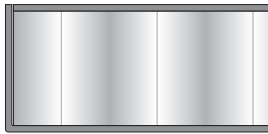
Needed panel simple edging: 3022x1522mm

Needed panel double edging WITHOUT slope: 3052x1552mm

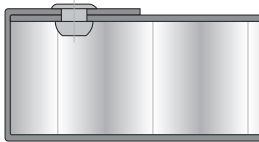
Needed panel double edging WITH 10° slope: 3054x1554mm



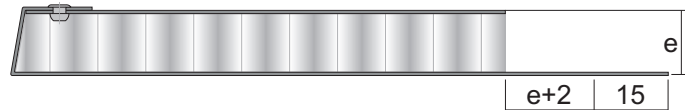
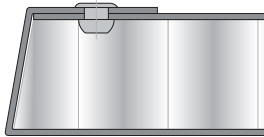
a) Simple edging (WITHOUT RIVETS)



b) Double edging WITHOUT slope



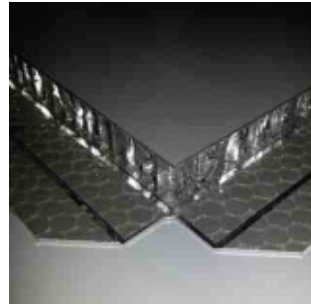
c) Double edging WITH 10° slope



Simple edging



Double edging



HOW TO CARRY OUT THE PANEL EDGING

- Cut the honeycomb panel to the accurate dimensions (see sketch above).
- Machine the panel according to chosen option.
- The internal aluminium sheet will be machined to advantage the bending and folding of every edge.
- The panel will be machined to allow the simple or double edging and its subsequent shaped.
- **The standard solution for Architectural will be double edging WITH 10° slope.**
- Double edged will have at least two rivets on each edge, and the distance between them shall not exceed 300mm.
- A rivet is always placed on each side of the corners (approximately 30mm).
- **Alucoil®** recommendation is to use a standard rivet UNE EN ISO 15981 Ø4x6mm (protruding head, diameter $d_k=8$ mm with aluminium body diameter $d=4$ mm and 6=mm lenght and aluminium mandrel as well)
- **Alucoil®** would machine the panel if needed, including every hole, and would carry out the panel edging, but the client must rivet the edging.

COMMENT: UNE EN ISO 15981 Ø4x6mm rivet DOES NOT FIT 6mm panel, in that case we would have to use a rivet with aluminium or stainless steel mandrel and body length $L=4$ mm. Ex.: BRALO remache estándar AIA/A2 Ø2,4x4mm